

**COMBINED DECLARATION AND POWER OF ATTORNEY  
IN ORIGINAL APPLICATION**

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**MEASURING HEAD AND MEASURING ASSEMBLY FOR A NUCLEAR FUEL ROD**

described and claimed in the specification bearing that title, that I understand the content of the specification, that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, that I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR § 1.56, and that no application for patent or inventor's certificate of this invention has been filed earlier than the following in any country foreign to the United States prior to this application by me or my legal representatives or assigns:

German Application 101 23 975.0, filed May 17, 2001, the International Priority of which is claimed under 35 U.S.C. § 119; and International Application PCT/EP02/05217, filed May 13, 2002, the Priority of which is claimed under 35 U.S.C. § 120.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

LAURENCE A. GREENBERG (Reg. No. 29,308)  
WERNER H. STEMER (Reg. No. 34,956)  
RALPH E. LOCHER (Reg. No. 41,947)  
GREGORY L. MAYBACK (Reg. No. 40,719)

Address all correspondence and telephone calls to:

LERNER AND GREENBERG, P.A.  
POST OFFICE BOX 2480  
HOLLYWOOD, FLORIDA 33022-2480  
Tel: (954) 925-1100  
Fax: (954) 925-1101

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST JOINT INVENTOR: ALEXANDER BUSCH

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Residence: ERLANGEN, GERMANY

Country of Citizenship: GERMANY

Post Office Address: ZIMMERMANNSGASSE 6  
D-91058 ERLANGEN  
GERMANY

FULL NAME OF SECOND JOINT INVENTOR: JÜRGEN ZULEGER

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Residence: LANGENSENDELACH, GERMANY

Country of Citizenship: GERMANY

Post Office Address: FRANKENSTRASSE 5  
D-91094 LANGENSENDELACH  
GERMANY

FULL NAME OF THIRD JOINT INVENTOR:

KLAUS DITTKUHN

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Residence: HEMHOFEN, GERMANY

Country of Citizenship: GERMANY

Post Office Address: MEISENWEG 5  
D-91334 HEMHOFEN  
GERMANY

\_\_\_\_\_

FULL NAME OF FOURTH JOINT INVENTOR:

RAINER SCHUMANN

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Residence: ERLANGEN, GERMANY

Country of Citizenship: GERMANY

Post Office Address: WEHNELTSTRASSE 2  
D-91052 ERLANGEN  
GERMANY

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : ALEXANDER BUSCH ET AL.  
Filed : CONCURRENTLY HEREWITH  
Title : MEASURING HEAD AND MEASURING ASSEMBLY FOR A  
NUCLEAR FUEL ROD

Declaration Under Section 152 Of The Atomic Energy Act Of 1954

1. WE, ALEXANDER BUSCH, JÜRGEN ZULEGER, KLAUS DITTKUHN and RAINER SCHUMANN, residing respectively at ERLANGEN, LANGENSENDELBACH, HEMHOFEN and ERLANGEN, Germany declare:
2. That we made and conceived the invention described and claimed in patent application entitled MEASURING HEAD AND MEASURING ASSEMBLY FOR A NUCLEAR FUEL ROD filed in the United States of America CONCURRENTLY HEREWITH.

That we made and conceived this invention while employed by FRAMATOME ANP GMBH. That the invention is related to the work we are employed to perform and was made within the scope of our employment duties;

That the invention was made during working hours and with the use of facilities, equipment, materials, funds, information, and services of FRAMATOME ANP GMBH.

3. That to the best of our knowledge and belief:

The invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

4. The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are

believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF FIRST JOINT INVENTOR: ALEXANDER BUSCH

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Residence: ERLANGEN, GERMANY

Country of Citizenship: GERMANY

Post Office Address: ZIMMERMANNSGASSE 6  
D-91058 ERLANGEN  
GERMANY

FULL NAME OF SECOND JOINT INVENTOR: JÜRGEN ZULEGER

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Residence: LANGENSENDELBACH, GERMANY

Country of Citizenship: GERMANY

Post Office Address: FRANKENSTRASSE 5  
D-91094 LANGENSENDELBACH  
GERMANY

FULL NAME OF THIRD JOINT INVENTOR:

KLAUS DITTKUHN

---

Inventor's Signature

---

Date

Residence: HEMHOFEN, GERMANY

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Post Office Address: MEISENWEG 5  
D-91334 HEMHOFEN  
GERMANY

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FULL NAME OF FOURTH JOINT INVENTOR:

RAINER SCHUMANN

---

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Post Office Address: WEHNELTSTRASSE 2  
D-91052 ERLANGEN  
GERMANY

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